CATEGORY:

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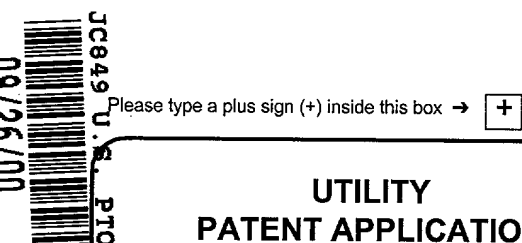
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	TV-Browsing/SCH	*Total Pages*	27

First Named Inventor or Application Identifier	
Scott C. Harris	
Express Mail Label No.	EL 584 933 405 US

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

_____Janet Chat_____

APPLICATION ELEMENTS *See MPEP chapter 600 concerning utility patent application contents.*	ADDRESS TO:	**Assistant Commissioner for Patents** **Box Patent Application** **Washington, DC 20231**

1. [X] **Fee Transmittal Form**
   (Submit an original, and a duplicate for fee processing)

2. [X] **Specification**   [*Total Pages* [16]]
   (including)
   - Descriptive title of the Invention
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings *(if filed)*
   - Detailed Description
   - Claim(s) (6 pgs)
   - Abstract of the Disclosure

3. [X] **Drawing(s) *(35 USC 113)***   [*Total Sheets* [4]]

4. [X] **Oath or Declaration**   [*Total Pages* [2]]

   a. [X] Newly executed (original or copy)

   b. [ ] Copy from a prior application (37 CFR 1.63(d))
      (for continuation/divisional with Box 17 completed)
      [Note Box 5 below]

      i. [ ] DELETION OF INVENTOR(S)
         Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

5. [ ] **Incorporation By Reference** *(useable if Box 4b is checked)*
   The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. [ ] Microfiche Computer Program *(Appendix)*

7. Nucleotide and/or Amino Acid Sequence Submission
   (if applicable, all necessary)

   a.   Computer Readable Copy

   b.   Paper Copy (identical to computer copy)

   c.   Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. [ ] Assignment Papers (cover sheet & document(s))

9. [ ] 37 CFR 3.73(b) Statement   [ ] Power of Attorney
   (when there is an assignee)

10. [ ] English Translation Document *(if applicable)*

11. [X] Information Disclosure Statement (IDS)/PTO-1449   [X] Copies of IDS Citations

12. [ ] Preliminary Amendment

13. [X] Return Receipt Postcard (MPEP 503)
    (Should be specifically itemized)

14. [X] Small Entity Statement(s)   [ ] Statement filed in prior application, Status still proper and desired

15. [ ] Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16. [ ] ....
    ....
    ....
    ....

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17. If a CONTINUING APPLICATION, *check appropriate box and supply the requisite information:*

[ ] Continuation [ ] Divisional [ ] Continuation-in-part (CIP) [X] Provisional application No: 60/161,700 filed October 26, 1999

18. CORRESPONDENCE ADDRESS

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The filing fee has been calculated as follows:

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TOTAL CLAIMS	21- 20 =	1	x $9.00	$9
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MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ $260.00	$0
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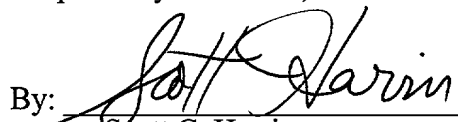
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Applicant(s) hereby petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees or to credit any overpayment to **Deposit Account No. 50-1387** referencing docket no. _TV-Browsing/SCH_. A duplicate copy of this transmittal is enclosed, for that purpose.

Dated: _9/26/00_

Respectfully submitted,

By: _____
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Applicant or Patentee: Scott C. Harris
Serial or Patent No.:
Filed or Issued: Herewith
For: INTERNET BROWSING FROM A TELEVISION

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(b)) - INDEPENDENT INVENTOR

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled INTERNET BROWSING FROM A TELEVISION described in

        [x]   the specification filed herewith.
        [ ]   application serial no. , filed .
        [ ]   patent no. , issued .

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

        [x]   no such person, concern, or organization.
        [ ]   persons, concerns or organizations listed below*.

        *NOTE: Separate verified statements are required from each named person, concern, or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

Full Name: _____

Address: _____

        [ ] INDIVIDUAL   [ ] SMALL BUSINESS CONCERN   [ ] NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status when any new rule 53 application is filed or prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Inventor: _____ Scott Harris _____

Signature: _____ Scott Harris _____ Date: 9/25/00

APPLICATION

FOR

UNITED STATES LETTERS PATENT

TITLE: INTERNET BROWSING FROM A TELEVISION

APPLICANT: SCOTT C. HARRIS

CERTIFICATE OF MAILING BY EXPRESS MAIL

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Date of Deposit

Signature

Janet Christy

Typed or Printed Name of Person Signing Certificate

INTERNET BROWSING FROM A TELEVISION

Cross Reference To Related Applications

5   This application claims the benefit of the U.S.

Provisional Application No. 60/161,700, filed on October 26,

1999.

BACKGROUND

10   The present application describes a technique for

automatically capturing Internet addresses that are broadcast

as part of an entertainment media.

Many commercials on entertainment media, such as

television and radio, include an Internet address therein.

15   For this part of the advertising to be effective, the user

must remember these Internet addresses, since they are

broadcast as part of the commercial. Therefore, the Internet

addresses broadcast on such media are only really effective

when they refer to an easy-to-remember domain name.

20   The simple domain names, unfortunately, are valuable and

limited commodities. Great cost can be associated with

obtaining a simple name of this type.

In addition, since the address to be displayed must be simple, it does not readily allow any complicated addresses, e.g., subdomains within the main domain.

Non-commercial parts of the entertainment media can also

5   display Internet addresses. For example, a web site associated with a TV show can be displayed during the credits of the TV show.

SUMMARY

10   The present application teaches a system of allowing information from an entertainment media to be communicated to a computer or other device, which runs an Internet interfacing program, such as a web browser.

In one aspect, the present system automatically calls up

15   the web address that is transmitted by the entertainment media.

In another aspect, the web address is saved for later use.

The web address can be coded to include information about

20   its source. This enables determination of the effectiveness of the advertisement.

BRIEF DESCRIPTION OF THE DRAWINGS

These and other aspects will be described in detail with reference to the accompanying drawings, wherein:

Figure 1 shows a block diagram of a first embodiment that

5 recognizes the hyperlink;

Figure 2 shows a modification in which the remote includes a receiver element;

Figure 3 shows a paradigm in which the service provider participates in sending the desired hyperlink to the user; and

10 Figures 4A and 4B show browsing on a PDA.

DETAILED DESCRIPTION

Figure 1 shows an embodiment of the present invention, in which the entertainment media is a television system.

15 A television receiving system 100 is shown receiving a television broadcast 102. The television receiving system includes at least a television receiver element 104, and may also include a television view screen 108. The television broadcast can be via standard transmission, satellite

20 reception, or cable reception or via any other medium for television broadcast.

Some parts of the television broadcast may include Internet addresses. This can be part of the program broadcast or part of a commercial associated with the television

broadcast. The Internet address is often transmitted as part of the seen part of the broadcast 102.

The television also includes a user interface, generally shown as 110. The user interface can include one or more of a

5   control panel on the television, a remote control operable by a user, and/or a voice recognition remote control which recognizes voice-activated commands. The user can enter various commands via the user interface 110 include commands to turn-on the television, turn-off the television, change the

10   channels, and the like.

Figure 1 shows the user interface being a wireless remote control, but the user interface can be part of the television, or part of some other device.

This remote control can also operate the TV. The remote

15   can be infrared, for example. The infrared remote embodiment is a retrofit system for existing television sets. The remote itself is preprogrammed with, or learns codes to, control the television. The remote control can include computing intelligence therein. For example, the remote control can be

20   a personal digital assistant, e.g., a Palm™ computer, programmed to operate as a remote.

The user interface 110 also includes a "browse" function 112. The browse function is actuated when the user wants to use the Internet address that is associated with currently-

displayed information on the television screen 108. In a particularly preferred embodiment, actuation of the "browse" button 112 takes some action on an Internet address that is displayed on the television display screen.

5   An information recognition module 120 is associated with the television set. This module 120 may be within the television set, or, as shown, within the remote control. In a first embodiment shown in Figure 1, the recognition module can be a miniature camera, located within the remote control

10   system. The recognition module 120 obtains an image of the picture on the television screen 108 by integrating the picture for the time of one or more fields and one or more frames. A processor within the information recognition unit treats the acquired picture as an image, and optically

15   character recognizes ("OCR") the characters within the image.

Optical character recognition programs are known, including programs such as Adobe Circulate™ and Caere Omni page™.

An image is obtained responsive to the browse command,

20   the image is optically-character-recognized, and the automatically-recognized image is processed to automatically determine a Internet address therein. Automatic detection of hyperlinks can be done by searching for key terms such as

"http" or "www" or ".com", ".net" or others
(.shop,.web,.firm,.arts,.rec,.info).

This can also be done by correlating each letter of the
alphabet across the entire image. For example, the letter "a"
5   can be correlated against the entire image to find all "a"s or
close matches to "a"s in the image. By following this
procedure throughout the entire image, the closest match to
letters can be found within the TV image.

The obtained hyperlink information is used to take some
10   action related to the hyperlink. Figure 1 shows the remote
110 being equipped with a short-range communication device
130. This capability can be on a so-called "part 15"
frequency, e.g. 48Mhz; 900Mhz; or 2.4Ghz. A particularly
interesting communication technique is via Bluetooth™
15   communication. The communication could also be via wireless
Ethernet or wired Ethernet. A message 128 is formed based on
the automatically-recognized hyperlink within the television
image. That message is sent to the communication device 130,
and wirelessly transmitted as 135. Information is transmitted
20   in this format to a personal computer 150. The PC receives
the automatically-recognized hyperlink.

If the PC or laptop is running and connected to the
internet, the address represented by the hyperlink is
accessed. The web page is read out and displayed.

Alternately, information can be added to the computer, which

causes the PC to bring up the web page represented by the

hyperlink at the next time the computer is started, or the

next time that the browser is started. This can be set as a

5   temporary start page that will be shown only the next time the

browser is started.

Alternatively, the information can be added to the user's

"Favorites" list, e.g. in a subdirectory called "Look at for

further information".

10   A second embodiment carries out the recognition within

the television unit itself. The "browse" command can still be

controlled based on a command from a separate remote. A

buffer in the TV is used to store an entire frame of RGB

information. That information is converted to a gray-scale

15   image. The information in the image is optically-character-

recognized. The hyperlink detection is carried out in the

same way as in the first embodiment described above. The

information recognition unit 121 in the television unit is

used.

20   This embodiment may require modifying the television to

include the information recognition unit.

Another embodiment marks the hyperlink in alternative

ways. For example, when the hyperlink is displayed on the

screen, it can also be marked as a hyperlink in another

7

portion of the television signal, such as in the vertical

blanking interval. Line 16 or 21 of the vertical blanking

interval can, for example, include digital information

indicative of one or more hyperlinks.

5   Another option reads the hyperlink from within the closed

captioning information of the TV signal. This text can be

directly used as an Internet address.

In this embodiment, the information recognition unit 120

or 121 is a closed captioning decoder.

10   Another option shown in Figure 2 uses a separate receiver

200 within the remote 110. The receiver could be a TV tuner

202 and/or FM tuner 204. The hyperlinks associated with the

entertainment program are transmitted on the TV band, e.g. in

the closed captioning portion, or in the FM band. The signals

15   are received by the receiver 200. The receiver 200 is

constantly receiving the Internet addresses, if any,

associated with current media programs. Pressing the "browse"

button 112 causes the currently-received hyperlink to be

transmitted by a short range communication protocol, such as

20   by Bluetooth™, to the PC.

The TV remote can have a receiver for closed caption

information, or for other information within the VBI. This

allows the TV remote to be used with the existing television

systems and sets, with no modification whatsoever. All new

circuitry (if any) is placed within the remote. If a programmed computer or PDA is used as the remote, then all the changes necessary may include reprogramming the user interface.

5   In another embodiment, the television or set top box associated with the television (e.g., VCR, cable box, or satellite box), can also receive a hyperlink from within the received signal, e.g. coded within the signal. That hyperlink is selected by the browser actuations.

10   An alternate way of taking the action based on the hyperlink operates by sending information to a service provider, rather than to the PC.

          Figure 3 shows this being done over the broadcast channel for two-way media is being used, e.g., in digital cable or

15   satellite. The browse button sends either the hyperlink information to the service provider, or just the timing and channel of the browse actuation to the television provider. In the latter case, the television provider stores a database 350 defining which hyperlink was displayed at any given time.

20   In this embodiment, the television and/or remote need not even recognize the hyperlink. Rather, an indication is provided to the cable or satellite company to send more information to the user about that hyperlink.

Since the cable or satellite company must have an account with the user, it knows the user's email address. Upon receiving an indication that the user wants more information about the hyperlink that is displayed on the television at

5   that specific time, the cable/satellite company sends an email either to the sponsor or the user directly. The sent e-mail can indicate the web page address.

This embodiment is also suitable for use with radio, since it does not require reading off of the screen.

10   A new business method becomes possible in this embodiment. The cable/satellite company can charge a fee for this service, e.g. charging a few cents for each user who receives such an e-mail.

Another embodiment uses the power of this system to

15   display a hyperlink that includes an indication of its origin. The web page address is tagged with an indication of the service provider or the specific commercial. For example, a web page address www.pt.web/info=cbs;sd;101999;838 could call up the site pt.web, and provide the site with the identifying

20   information – cbs (network), sd (geographical area), date of commercial airing (101999) and time of commercial airing (838). That tagged web page address hence uniquely indicates the source of the initiation via a specified commercial or program.

10

The advertisers can use this to determine which times are most successful for web page actuations. The service provider can negotiate a fee for each tagged visit to the web site. A new method of doing business enables using these complicated

5 internet addresses, since the web site is automatically called up from the address. In this new method of doing business, the service provider can guarantee a specified number of "hits" from the commercial. If less hits are obtained, the advertiser may get a discount. The advertiser may also agree

10 to pay additional amounts for "hits" beyond that guaranteed number.

The desired internet information can be displayed directly on the television. It is known to include internet information over the same channel that is carrying television

15 information, e.g. internet over cable (by cable modem), internet by satellite and the like. Alternately, a telephone line or dsl connection can be connected to the TV, and a web TV system or other equivalent system can be used to browse the internet using the screen of the television set. According to

20 this system, actuation of the "browse" button cause either the screen to switch to an internet browsing window, or to a picture-in-picture type system, with the television program remaining in one picture, and the web browser opening in a sub picture.

The alternative is of course possible, where the web browser opens in the main picture, or two side-by-side pictures may be provided.

Another embodiment operates with a computer video card that also includes a TV tuner, such as the ATI All in Wonder(TM). In this case, TV can be received and viewed on the computer. The same computer can also operate as a conventional computer, e.g., to receive and display Internet information. This embodiment uses the information in the TV (or radio) program to launch and run an Internet page. This information can be displayed on the video, or coded into some other part of the TV signal, or transmitted on some other channel.

Another method of doing business is made possible by this system for sales-type TV, e.g., shopping channels and infomercials. In these media, a salesman extols the virtues of a product, while trying to get the viewers to buy the product. Hyperlinks can be visible or hidden during this sales pitch. The hyperlinks can bring up supplemental internet information, or can be directly linked to a product order site and/or shopping cart. Hence, by actuating the browse key, the user's computer can be actuated to bring up the order form for a product and to begin the ordering process.

12

As described above, one embodiment uses a PDA as the remote. The PDA has infra red or RF (e.g., Bluetooth), transmission capability. The PDA can also carry out certain functions. For example, since PDAs, such as the Palm™

5   computer, are capable of hot sync, they can exchange information with another computer, which is presumably a more powerful ("thicker") client. Therefore, the PDA can store the information about the hyperlink, and only later, during the next hot sync, download it to the main computer. The software

10   running the hot sync can act on the hyperlink as described above, e.g., use it next time, add it to favorites, etc.

Also, the shopping information can be supplemented by using the PDA. The hot sync forms an exchange of information, where the thicker client is notified of the PDA's request for

15   information. The thicker client accesses the Internet or some other information source and obtains more information. Then, the PDA is provided with more information about any items where a shopper has expressed interest. That information can be displayed on the PDA, or on the main computer.

20   A shopping list, or wish list, can also be stored on the PDA, for example.

Another embodiment teaches web browsing using a personal digital assistant such as the Palm. In this embodiment, as noted above, the Palm is configured as a remote control,

either to produce infra red signals, or some other kind of

signals such as Bluetooth signals which can be received by the

entertainment medium.   The mote has conventional controls,

such as numeral keys 401, up/down keys 402, mute button 403,

5   etc.   In addition, the PDA either has its own receiver

installed to independently receive hyperlinks either on the

same channel as the television signal, or on a different

channel.   Alternatively, the PDA can receive hyperlink

information from a transmitter on the TV, which can transmit

10   by infrared or Bluetooth or the like.

One of the available actuations on the PDA-simulated

remote is a "browse" actuation 400.   When this actuation is

actuated, the PDA will begin a browsing actuation to a

currently displayed hyperlink 405.   In one embodiment as shown

15   in Figure 4A, the PDA can also have a section within the

remote control which can display either the hyperlink, a title

of the web page represented by the hyperlink, or the like. The

hyperlink can also be any of the previously-described

hyperlink systems.

20   When the browse button 400 is actuated, the PDA is

reconfigured from being a remote control into being a web

browser, using wireless web browsing techniques, such as used

on the Palm VII.   The web browser can use any of the

conventionally available techniques of PDA web browsing,

including a wireless modem, or a short range communication system such as Bluetooth to communicate between the PDA and some server computer such as the user's own PC. One stop wireless web actuation can thereafter be carried out. During

5 the web actuation, a screen as shown in Figure 4B is displayed. This includes the screen showing the web actuation and may also include a special return button 450 which enables returning to the remote control function. If the user presses the return button 450, he returns to the remote control

10 function The web page remains in memory, and the remote control also shows the "switch" icon 452. In this way, the user can toggle to the remote control function, carry out some operation on the entertainment media, such as muting the TV for example, so that they can better concentrate, and then

15 return to the browsing to read the contents of the web page.

Although only a few embodiments have been disclosed in detail above, other modifications are contemplated and are possible. All such modifications are intended to be encompassed within the following claims. For example, while

20 this application has described television as being the entertainment media, the same operations can be carried out for other media. For example, radio could be continually stored in a buffer of 30 seconds, and then voice recognition techniques could be used to automatically determine hyperlinks

within the radio broadcast. Radio could also transmit

hyperlinks on a separate carrier, as described above for

television.

All such modifications are intended to be encompassed

5 within the following claims.

What is claimed is:

1   1. A system, comprising:

2   a television remote which has first buttons controlling

3 at least a plurality of functions on a controlled television

4 which is separate from said television remote, said television

5 remote mounted in a housing, which housing is totally separate

6 from the television being controlled by the remote, and said

7 television remote also having a command which accesses

8 information from a hyperlink that is associated with a program

9 that is being currently displayed on the television.

1   2. A system as in claim 1, wherein said remote

2 communicates with a separate computer, to display said

3 information from said hyperlink on the separate computer.

1   3. A system as in claim 2, wherein said television

2 remote transmits a command that causes said information to be

3 displayed at a next startup of a process on said separate

4 computer.

1   4. A system as in claim 2, wherein said information is

2 added to a list of internet favorites on said separate

3 computer.

1   5. A system as in claim 1, wherein said requested

2 information displays said information from said hyperlink in a

3 separate picture on the television being controlled by the

4 remote, so that both a television program picture, and the

5 internet site represented by the hyperlink, are displayed on

6 the same screen when said command is actuated on said remote.

1   6. A system as in claim 1, wherein said requested

2 information displays said information from said hyperlink on a

3 personal computer.

1   7. A system as in claim 1, wherein said command that

2 accesses information causes an email to be sent to said user.

1   8. A system as in claim 1, wherein said hyperlink

2 includes an indication of a referring source.

1   9. A system as in claim 1, wherein said command that

2 accesses information comprises making a purchase of an item

3 that is displayed on the television.

1   10. A system as in claim 1, wherein said remote includes

2 a separate receiver which receives hyperlinks that are

3   associated with a program that is currently being displayed on

4   the television.

1   11. A method, comprising:

2   producing, on first entertainment media, an address of an

3   internet site which includes an indication of the source that

4   produce the address;

5   using said address to access the internet site; and

6   at said internet site, determining said source, from said

7   address.

1   12. A method as in claim 11 further comprising keeping

2   track of a number of times the internet site is accessed from

3   said source, and entering a billing arrangement in which an

4   advertising is billed based at least partly on said

5   determining and on a number of times that the advertising

6   causes said address to be accessed.

1   13. A method as in claim 12 wherein said billing

2   includes counting a number of hits from the specified origin,

3   and paying an amount which is related to said number of hits.

19

1   14. A method comprising:

2   producing, on a viewable screen, an entertainment content

3 which includes an address of an internet site as part of its

4 content;

5   detecting an actuation which indicates a request to visit

6 the internet site; and

7   on said viewable screen, displaying both the original

8 content, and contents of the internet site at the same time.

1   15. A method as in claim 14 wherein said actuation made

2 is via a remote which also has functions for controlling a

3 plurality of aspects of said entertainment content.

1   16. A method as in claim 14 wherein said remote includes

2 a dedicated function which requests browsing an internet link

3 which is being currently displayed.

1   17. A system, comprising:

2   a user interface, associated with an entertainment media,

3 which enables entering a command that indicates interest in an

4 address to an internet site associated with a currently-

5 displayed program on the entertainment media; and

20

6   an internet address handling element, sending a message

7 to another device, separate from said user interface, said

8 message including information about said address.

1   18. A system as in claim 17, wherein said handling

2 element is an e-mail sending program which sends an e-mail to

3 an address associated with said entering said command.

1   19. A system as in claim 17, wherein said handling

2 element is a short range communicator which sends information

3 to a computer that is separate from said user interface.

1   20. A system as in claim 19, wherein said short range

2 ommunicator is Bluetooth™.

1   21. A method, comprising:

2   using a remote control device for an entertainment media

3 at a first time to control programming content that is being

4 delivered by said entertainment media, said remote mounted in

5 a housing, which housing is totally separate from a housing of

6 the entertainment media being controlled; and

7   using said remote control device at a second time, to

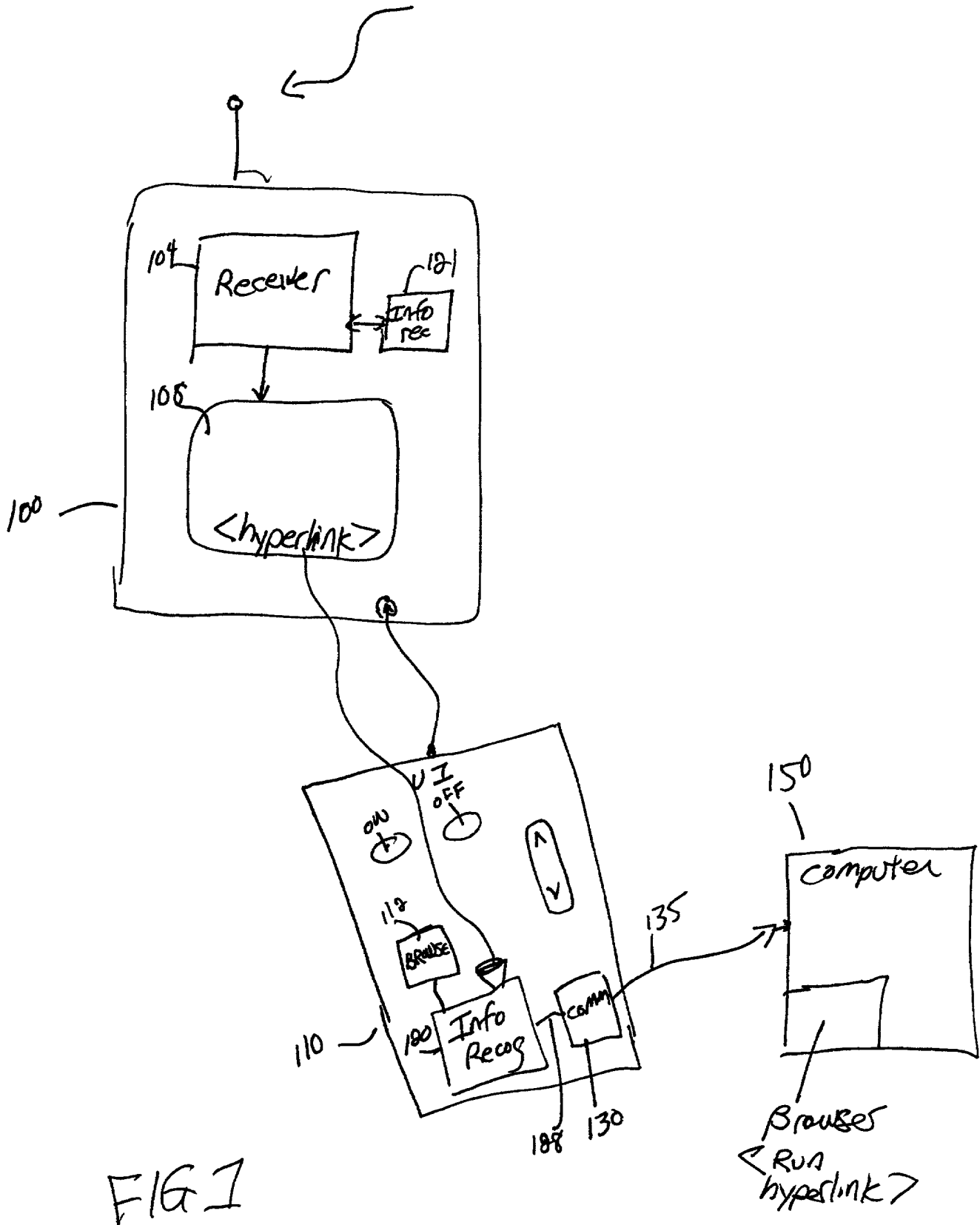8 indicate that access is desired to information associated with

9   a hyperlink that is associated with a program that is being

10   carried on the entertainment media.

Abstract

A system for automatically using internet information which is contained within a commercial on an entertainment medium e.g. television. The system determines information indicative of the web address. This can be done automatically by optical character recognition or by storing information indicative of the web address in an interval of the television signal. Once obtained, the information is sent, either to a user's computer, or to a central office which sends an e-mail to the user. In this way, the information can be used to automatically jump to a web site of the advertiser.

9-25-00xtvbrowseapp.doc

104 — Receiver

121 — Info rec

108 — <hyperlink>

100

110

118 — BROWSE

ON

I OFF

120 — Info Recog

188   130 — COMM

135

150 — Computer

Browse
<Run hyperlink>

FIG 1

IR transm.

202

200

TV receiver

FM tuner

Browse

112

Bluetooth

FIG 2

service prov

350

email

www.pt.web

Browse

FIG 3

user's
PC

461
463 460
402
400
452
405

CURRENT LINK
www.corp.us

1 2 3
4 5 6
7 8 9
mult 0
scale

FIG 4A

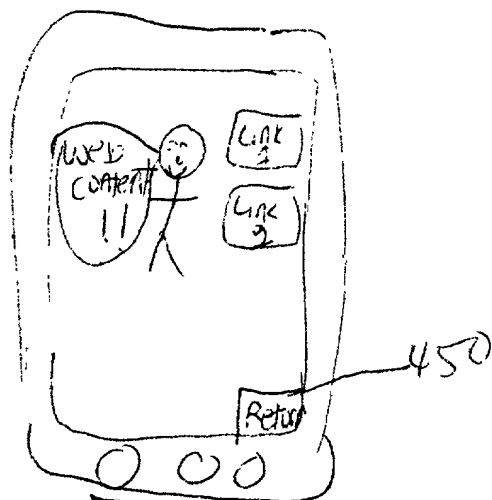WEB
CONTENT
!!

Link 1
Link 2

Return

450
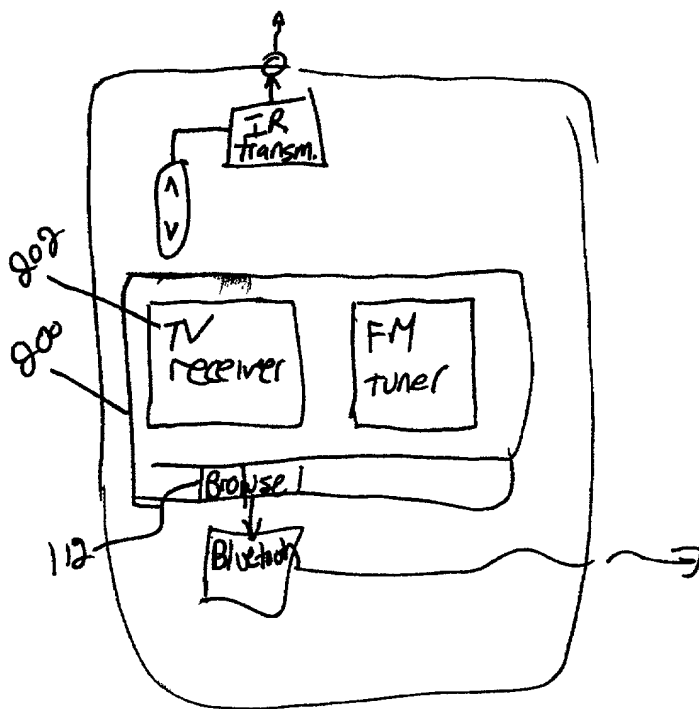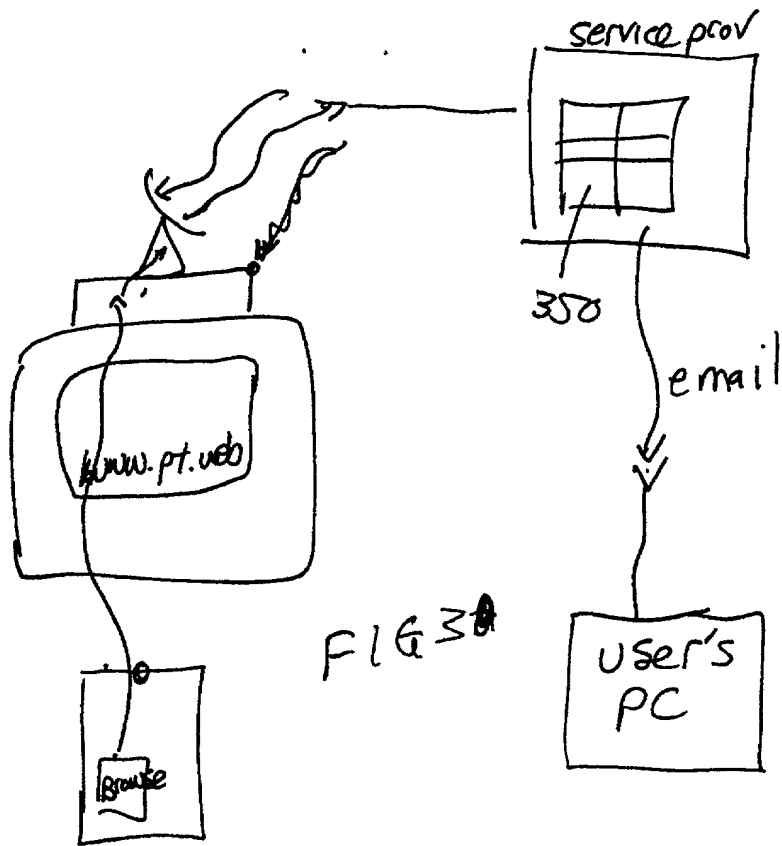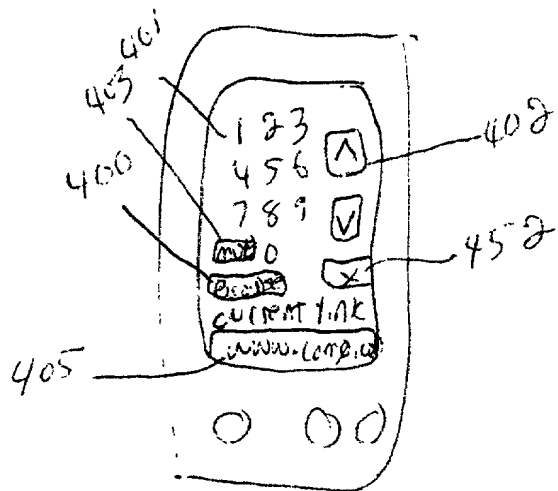
FIG 4B

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled INTERNET BROWSING FROM A TELEVISION, the specification of which:

[x]   is attached hereto.

[]   was filed on _____ as Application Serial No. _____ and was amended on _____ .

[]   was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ .

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status
60/161,700	October 26, 1999	Pending

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.	Filing Date	Status

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Application No.	Filing Date	Priority Claimed	
			[] Yes	[] No
			[] Yes	[] No

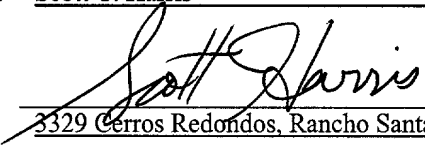# Combined Declaration and Power of Attorney
Page 2 of 2 Pages

Address all telephone calls to SCOTT C. HARRIS at telephone number (619) 823-7778.

Address all correspondence to SCOTT C. HARRIS at:

Customer No. 23844
Scott C. Harris
P.O. Box 927649
San Diego, CA   92192-7649

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Scott C. Harris

Inventor's Signature: _____   Date: 9/25/00

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